

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
16 October 2003 (16.10.2003)

PCT

(10) International Publication Number
WO 03/084957 A1(51) International Patent Classification⁷: C07D 473/18CHEMICALS CO., LTD. Central Research Laboratories,
1-21, Utajima 3-chome, Nishiyodogawa-ku, Osaka-shi,
Osaka 555-0021 (JP).

(21) International Application Number: PCT/JP03/04258

(22) International Filing Date: 3 April 2003 (03.04.2003)

(74) Agent: TAKASHIMA, Hajime; Fujimura Yamato Seimei
Bldg., 2-14, Fushimimachi 4-chome, Chuo-ku, Osaka-shi,
Osaka 541-0044 (JP).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2002-105805 8 April 2002 (08.04.2002) JP(71) Applicant (for all designated States except US): SUMIKA
FINE CHEMICALS CO., LTD. [JP/JP]; 1-21, Utajima
3-chome, Nishiyodogawa-ku, Osaka-shi, Osaka 555-0021
(JP).(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HAYASHI, Taketo
[JP/JP]; c/o SUMIKA FINE CHEMICALS CO., LTD.
Central Research Laboratories, 1-21, Utajima 3-chome,
Nishiyodogawa-ku, Osaka-shi, Osaka 555-0021 (JP).
KAWAKAMI, Takehiko [JP/JP]; c/o SUMIKA FINE
CHEMICALS CO., LTD. Central Research Laboratories,
1-21, Utajima 3-chome, Nishiyodogawa-ku, Osaka-shi,
Osaka 555-0021 (JP). IWANAGA, Yoshihiko [JP/JP];
c/o SUMIKA FINE CHEMICALS CO., LTD. Central
Research Laboratories, 1-21, Utajima 3-chome,
Nishiyodogawa-ku, Osaka-shi, Osaka 555-0021 (JP).
WATANABE, Yosuke [JP/JP]; c/o SUMIKA FINE**Published:**

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CRYSTAL AND SOLVATE OF 2-AMINO-6-BENZYLOXYPURINE AND PRODUCTION METHODS THEREOF

(57) **Abstract:** The present invention can provide a solvate, a cubic crystal and a columnar crystal of 2-amino-6-benzoyloxypurine by crystallization from (1) a solvent containing at least one kind of solvent selected from the group consisting of alcohol and water, (2) alcohol or (3) a water-containing solvent.

WO 03/084957 A1